



SAPIENZA
UNIVERSITÀ DI ROMA



8th Roma International Conference on Astroparticle Physics ([RICAP-2022](#))

September 6th – 9th, 2022 – Roma, Italy

Hosted by *Physics Department, Sapienza University, Roma*



Presentation

RICAP-22 will be the 8th edition of the RICAP Conference. The acronym stands for Roma International Conference on Astro-Particle physics. The Conference, entirely dedicated to the study of high energy cosmic rays, traditionally has been organized by the INFN Sections and Physics Departments of the three public Universities of Roma (University “Roma Tre”, University “La Sapienza” and University “Tor Vergata”). The 8th edition of the Conference had to be held in 2020 but was cancelled due to the CoViD pandemic, then it will be held this year and in the Physics Department of Sapienza University, Roma.

Scientific Topics

The aim of the Conference will be to present and discuss some of the most relevant theoretical and experimental results in the field of high energy cosmic rays (gamma, neutrinos, charged cosmic rays). Special attention will be paid to the multi-messenger search for high energy cosmic rays sources, including gravitational wave searches. A special session will be dedicated to Dark Matter search. The Conference will give the opportunity to collect experimental results from presently operating experiments. Experiments in progress and future projects will be discussed, debating on the different features and on sensitivities. Particular relevance will be given to the discussion of the open questions in high energy Astroparticle Physics.